



IFWO

RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/10/812,366

TIME: 11:19:14

Input Set : A:\05882.0114.NPUS01.ST25.txt

Output Set: N:\CRF4\08022004\J812366.raw

3 <110> APPLICANT: Protein Design Labs
 5 <120> TITLE OF INVENTION: METHOD OF TREATING CANCER WITH ANTI-PLEIOTROPHIN ANTIBODIES
 7 <130> FILE REFERENCE: 05882.0114.NPUS01
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/812,366
 C--> 9 <141> CURRENT FILING DATE: 2004-03-26
 9 <160> NUMBER OF SEQ ID NOS: 15
 11 <170> SOFTWARE: PatentIn version 3.2
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 168
 15 <212> TYPE: PRT
 16 <213> ORGANISM: Homo Sapiens
 18 <400> SEQUENCE: 1
 20 Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
 21 1 5 10 15
 24 Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
 25 20 25 30
 28 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
 29 35 40 45
 32 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
 33 50 55 60
 36 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
 37 65 70 75 80
 40 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
 41 85 90 95
 44 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
 45 100 105 110
 48 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
 49 115 120 125
 52 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
 53 130 135 140
 56 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
 57 145 150 155 160
 60 Lys Lys Gln Glu Lys Met Leu Asp
 61 165
 64 <210> SEQ ID NO: 2
 65 <211> LENGTH: 168
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Mus Musculus
 69 <400> SEQUENCE: 2
 71 Met Ser Ser Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
 72 1 5 10 15
 75 Phe Leu Ala Leu Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
 76 20 25 30

ENTERED

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79 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
80      35              40              45
83 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
84      50              55              60
87 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
88 65              70              75              80
91 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
92              85              90              95
95 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
96      100              105              110
99 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
100      115              120              125
103 Ala Asp Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
104      130              135              140
107 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
108 145              150              155              160
111 Lys Lys Gln Glu Lys Met Leu Asp
112              165

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115 <210> SEQ ID NO: 3

116 <211> LENGTH: 120

117 <212> TYPE: PRT

118 <213> ORGANISM: Homo Sapiens

120 <400> SEQUENCE: 3

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122 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
123 1      5              10              15
126 Ser Val Lys Ile Ser Cys Gln Ala Ser Gly Tyr Ala Phe Ser Ser His
127      20              25              30
130 Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
131      35              40              45
134 Gly Arg Ile Tyr Pro Gly Asp Gly Asp Ser Leu Tyr Asn Gly Lys Phe
135      50              55              60
138 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Val Tyr
139 65              70              75              80
142 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
143      85              90              95
146 Ala Arg Thr Arg Ala Tyr Gly Pro Ala Trp Phe Ala Tyr Trp Gly Gln
147      100              105              110
150 Gly Thr Leu Val Thr Val Ser Ala
151      115              120

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154 <210> SEQ ID NO: 4

155 <211> LENGTH: 360

156 <212> TYPE: DNA

157 <213> ORGANISM: Homo Sapiens

159 <400> SEQUENCE: 4

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160 caggttcagc tgcagcagtc tggacctgag ctggtgaagc ctggggcctc agtgaagatt      60
162 tcctgccaa gcttctggcta cgcattcagt agccactgga tgaactgggt gaagcagagg      120
164 cctggaaagg gtcttgagt gattggacgg atttatcctg gagatggaga ttctctctac      180
166 aatgggaagt tcaagggcaa ggccacactg actgcagaca aatcctccac cacagtctac      240
168 atgcagctca gcagcctgac atctgaggac tctgcggtct acttctgtgc aagaacgagg      300

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170 gcttatgggc ccgcttggtt tgcttactgg ggccaaggga ctctgggtcac tgtctctgca      360
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 5
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo Sapiens
178 <400> SEQUENCE: 5
180 Ser His Trp Met Asn
181 1          5
184 <210> SEQ ID NO: 6
185 <211> LENGTH: 17
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo Sapiens
189 <400> SEQUENCE: 6
191 Arg Ile Tyr Pro Gly Asp Gly Asp Ser Leu Tyr Asn Gly Lys Phe Lys
192 1          5          10          15
195 Gly
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 11
201 <212> TYPE: PRT
202 <213> ORGANISM: Homo Sapiens
204 <400> SEQUENCE: 7
206 Thr Arg Ala Tyr Gly Pro Ala Trp Phe Ala Tyr
207 1          5          10
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 112
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo Sapiens
215 <400> SEQUENCE: 8
217 Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ala Met Ser Val Gly
218 1          5          10          15
221 Gln Lys Val Thr Leu Ser Cys Arg Ser Ser Gln Ser Leu Leu Asp Ser
222          20          25          30
225 Asn Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
226          35          40          45
229 Ser Pro Lys Leu Leu Val Tyr Ala Ser Ile Arg Glu Ser Gly Val Pro
230          50          55          60
233 Asp Arg Phe Ile Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
234 65          70          75          80
237 Thr Ser Val Gln Ala Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln His
238          85          90          95
241 Tyr Ser Thr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
242          100          105          110
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 339
247 <212> TYPE: DNA
248 <213> ORGANISM: Homo Sapiens
250 <400> SEQUENCE: 9
251 gacattgtga tgacacagtc tccatcctcc ctggctatgt cagtaggaca gaaggtcact      60
253 ttgagctgca ggtccagtca gagtctttta gatagtaaca atcaaaagaa ctatttggcc      120

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255 tggtagcagc agaaaccggg acagtctcct aaacttcttg tatacyttgc atctattagg      180
257 gaatctgggg tccctgatcg cttcataggg agtggatctg ggacagattt cactcttacc      240
259 atcaccagtg tgcaggetga agacctggca gattatttct gtcagcaaca ttatagcact      300
261 cccctcacgt tcggtgctgg gaccaagctg gagctgaaa      339
264 <210> SEQ ID NO: 10
265 <211> LENGTH: 17
266 <212> TYPE: PRT
267 <213> ORGANISM: Homo Sapiens
269 <400> SEQUENCE: 10
271 Arg Ser Ser Gln Ser Leu Leu Asp Ser Asn Asn Gln Lys Asn Tyr Leu
272 1          5          10          15
275 Ala
279 <210> SEQ ID NO: 11
280 <211> LENGTH: 6
281 <212> TYPE: PRT
282 <213> ORGANISM: Homo Sapiens
284 <400> SEQUENCE: 11
286 Ala Ser Ile Arg Glu Ser
287 1          5
290 <210> SEQ ID NO: 12
291 <211> LENGTH: 9
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo Sapiens
295 <400> SEQUENCE: 12
297 Gln Gln His Tyr Ser Thr Pro Leu Thr
298 1          5
301 <210> SEQ ID NO: 13
302 <211> LENGTH: 387
303 <212> TYPE: PRT
304 <213> ORGANISM: Mus Musculus
306 <400> SEQUENCE: 13
308 Met Gly Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Ser
309 1          5          10          15
312 Val His Ser Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser
313          20          25          30
316 Asp Cys Gly Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp
317          35          40          45
320 Cys Gly Leu Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys
321          50          55          60
324 Gln Thr Met Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys
325 65          70          75          80
328 Gln Phe Gly Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys
329          85          90          95
332 Asp Leu Asn Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala
333          100          105          110
336 Leu His Asn Ala Asp Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys
337          115          120          125
340 Gly Lys Leu Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys
341          130          135          140

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344 Lys Glu Gly Lys Lys Gln Glu Lys Met Leu Asp Thr Gly Gly Gly Glu
345 145 150 155 160
348 Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Ala Ala
349 165 170 175
352 Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
353 180 185 190
356 Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
357 195 200 205
360 Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val
361 210 215 220
364 His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe
365 225 230 235 240
368 Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn Gly
369 245 250 255
372 Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ala Pro Ile
373 260 265 270
376 Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val
377 275 280 285
380 Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
381 290 295 300
384 Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
385 305 310 315 320
388 Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
389 325 330 335
392 Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
393 340 345 350
396 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
397 355 360 365
400 His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
401 370 375 380
404 Pro Gly Lys
405 385
408 <210> SEQ ID NO: 14
409 <211> LENGTH: 174
410 <212> TYPE: PRT
411 <213> ORGANISM: Homo Sapiens
413 <400> SEQUENCE: 14
415 Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
416 1 5 10 15
419 Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
420 20 25 30
423 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
424 35 40 45
427 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
428 50 55 60
431 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
432 65 70 75 80
435 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
436 85 90 95

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VERIFICATION SUMMARY

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DATE: 08/02/2004

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Input Set : A:\05882.0114.NPUS01.ST25.txt

Output Set: N:\CRF4\08022004\J812366.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date